

The classes of solving of the helmholz equation in halfplane

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Abstract

The estimation for a trace is received functions which is the solution of the Helmholtz equation in halfplane to Sobolev space H_s . It is shown, that solutions of the Helmholtz equation in space $H_{s+1/2}$ does not exist. And the solution, appropriate to a flat wave, does not belong to Sobolev space H_s at any index s .
